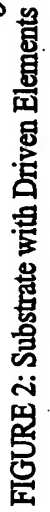


FIGURE 1



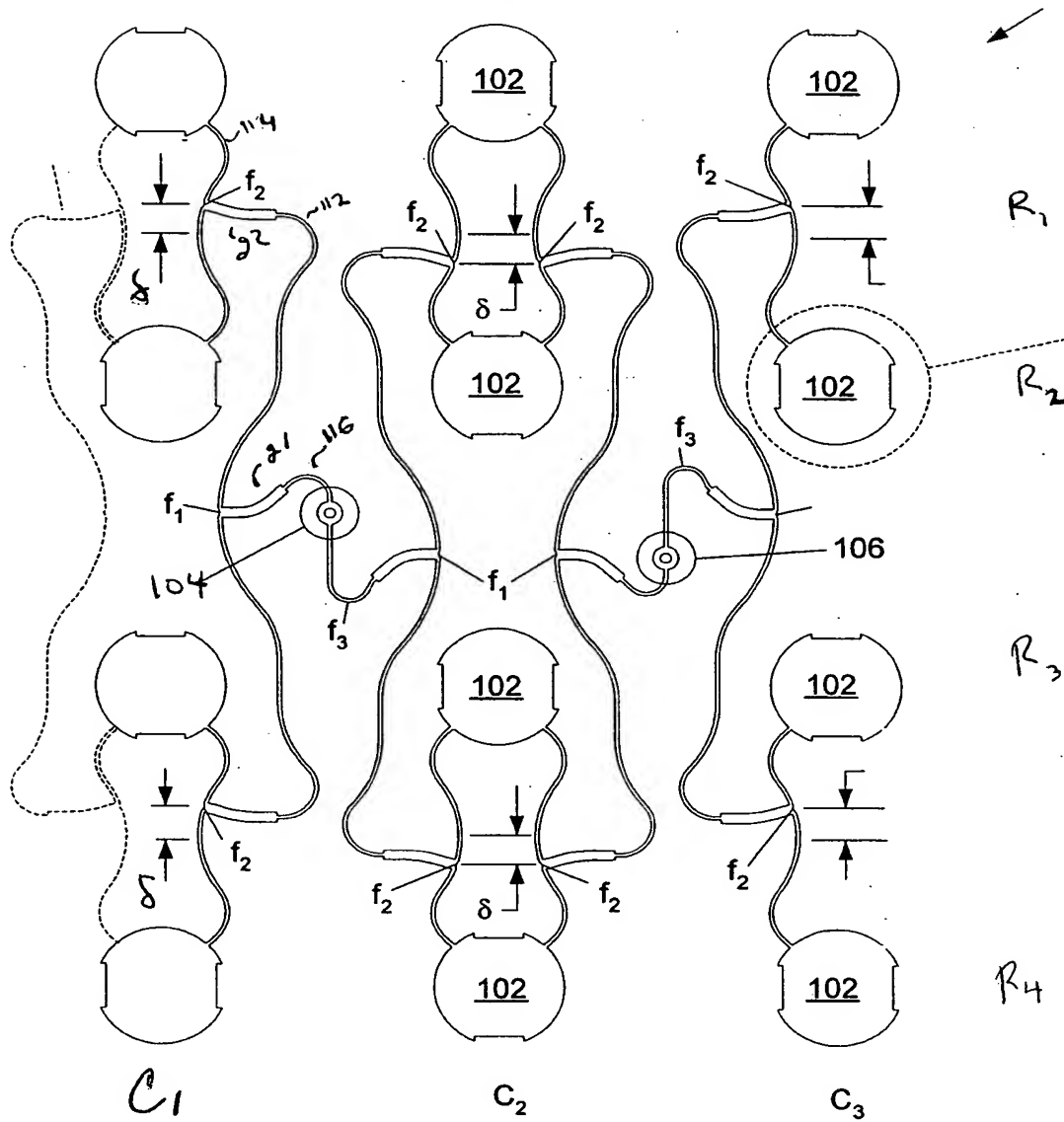


FIG. 3

BEST AVAILABLE COPY

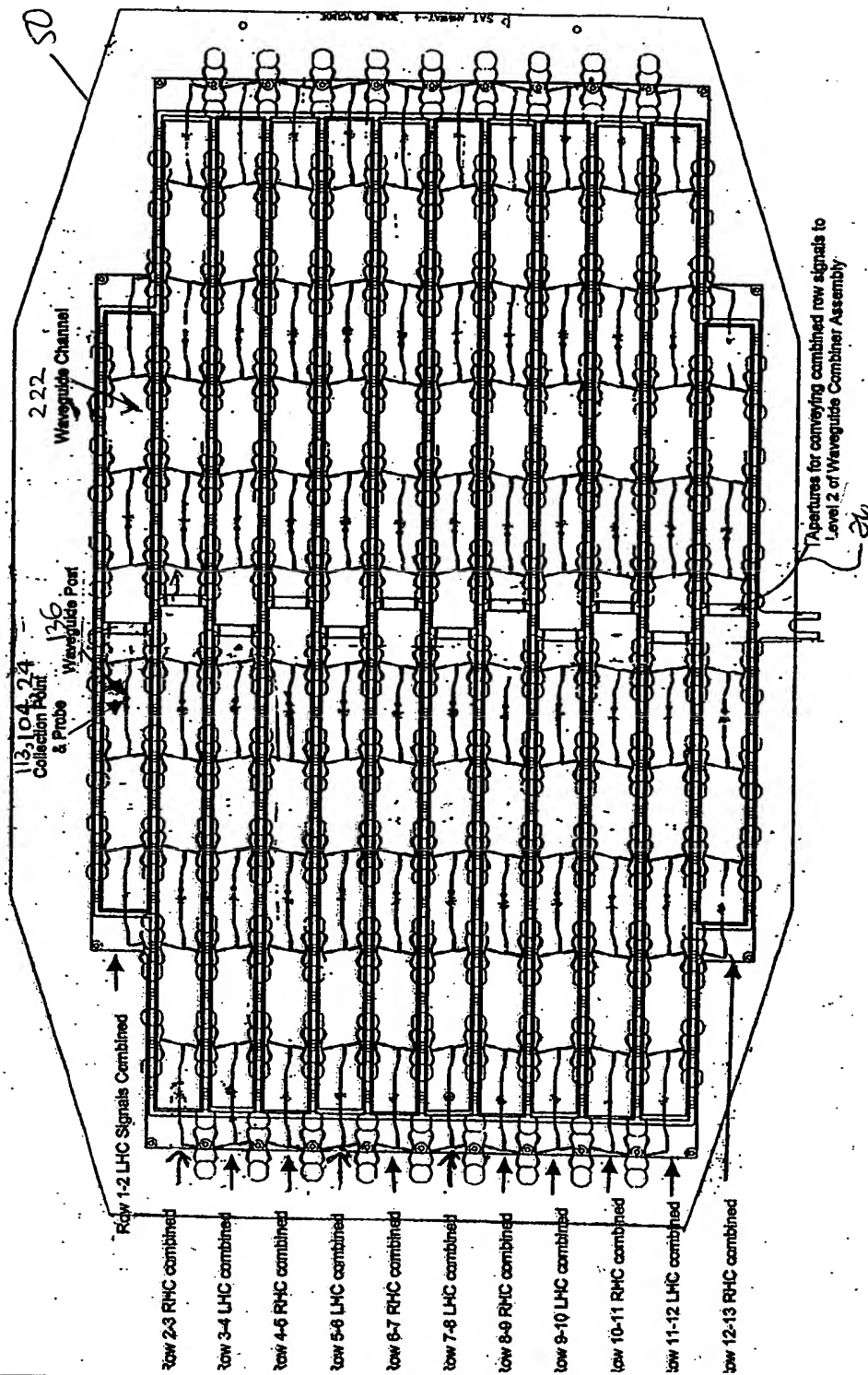
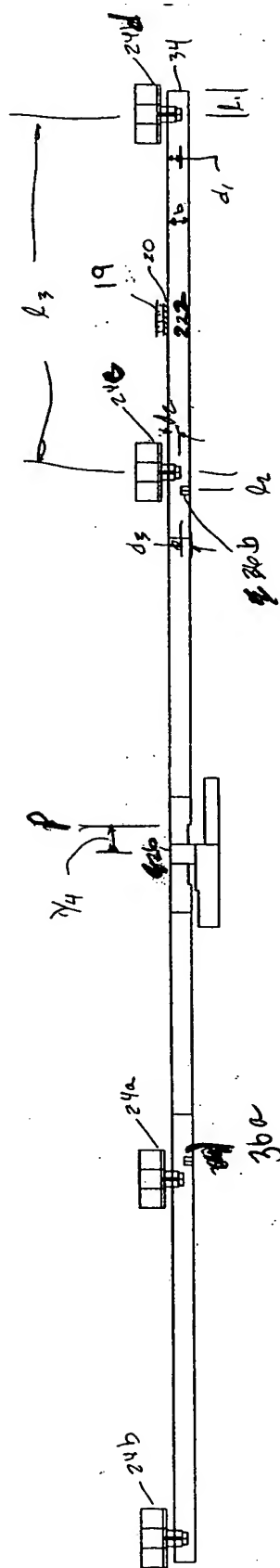
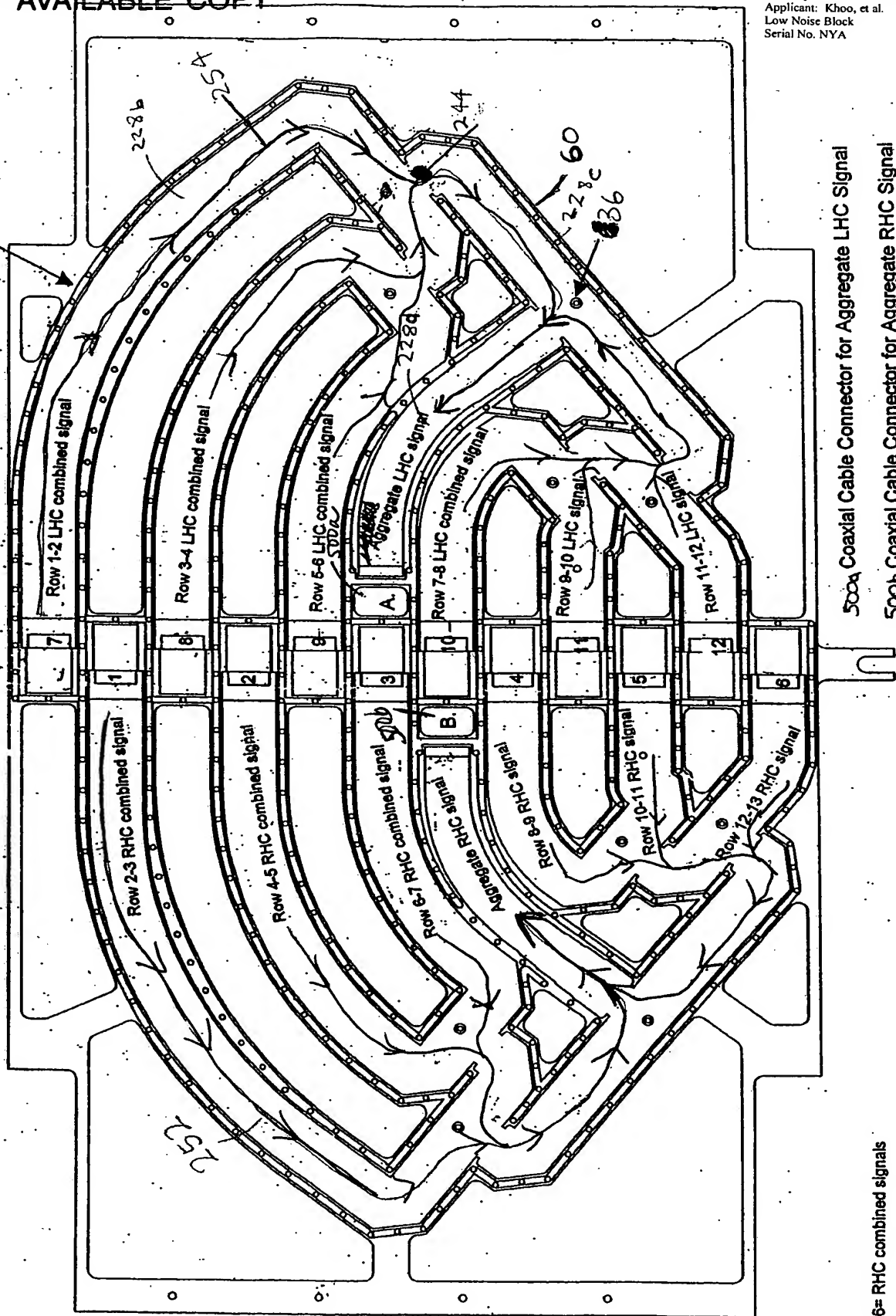


FIGURE 4: Level One of Waveguide Combiner Assembly (Showing Driven Patch Elements Above)



E-plane Junctions (1-12)

Arched Waveguide Walls



1-6= RHC combined signals

7-12= LHC combined signals

FIGURE 6: Level Two of Waveguide Combiner Assembly

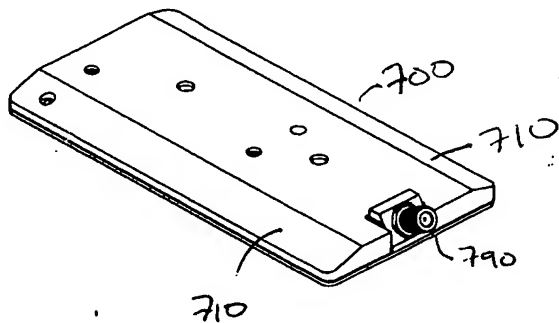


Figure 7B

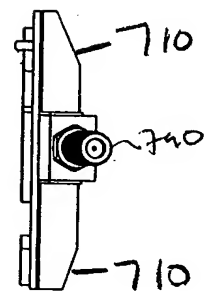


Figure 7C

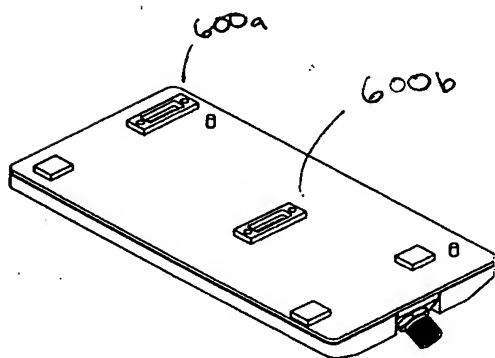


Figure 7A

FIGURE 7

# STACKED LNB

